

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Previously Presented): An audio output apparatus having:

at least one first speaker changeably installed in a predetermined position and outputting an audio signal; and

a plurality of second speakers fixedly installed in positions different from the position of the first speaker and different from each other, and outputting audio signals,

the apparatus generating a sound field according to position relations among the install position of the first speaker and the install positions of the plurality of second speakers when the position of the user is used as a reference,

wherein the apparatus comprises:

a plurality of audio signal detecting devices provided in or near the install positions of the second speakers which detect audio signals output from the first speaker;

a speaker position calculating device which obtains the audio signals detected by the audio signal detecting device, detecting that the install position of the first speaker has been changed on the basis of the obtained audio signals, and calculating the changed install position; and

an audio signal output adjusting device, on the basis of the changed install position of the first speaker and the install positions of the plurality of second speakers, that changes allocation of output of the audio signals to the plurality of second speakers, and adjusts output of the audio signal from at least one of the first speaker whose install position has been changed and

the plurality of second speakers so that a sound field according to the position relations before the install position of the first speaker was changed is maintained.

Claim 2 (Previously Presented): The audio output apparatus according to claim 1, wherein the audio signal output adjusting device adjusts at least one of an output volume level of the audio signal and an output timing of the audio signal.

Claim 3 (Cancelled).

Claim 4 (Previously Presented): The audio output apparatus according to claim 1, wherein the speaker position calculating device calculates distances between the install position of the first speaker and the install positions of at least three second speakers, and calculates the install position of the first speaker by using the calculated distances and the install positions of the speakers corresponding to the calculated distances.

Claim 5 (Previously Presented): An audio signal output adjusting apparatus having:
at least one first speaker changeably installed in a predetermined position and outputting an audio signal;
a plurality of second speakers fixedly installed in positions different from the position of the first speaker and different from each other, and outputting audio signals;
a plurality of audio signal detecting devices provided in or near the install positions of the second speakers which detects audio signals output from the first speaker; and

a speaker position calculating device which obtains the audio signals detected by the audio signal detecting device, detecting that the install position of the first speaker has been changed on the basis of the obtained audio signals, and calculating the changed install position,

wherein on the basis of the changed install position of the first speaker and the install positions of the plurality of second speakers, allocation of output of the audio signals to the plurality of second speakers is changed, and output of the audio signal from at least one of the first speaker whose install position has been changed and the plurality of second speakers is adjusted so that a sound field according to the position relations among the install position of the first speaker before the change and the install positions of the plurality of second speakers when the position of the user is used as a reference is maintained.

Claim 6 (Previously Presented): An audio signal output adjusting method performed by an audio output apparatus having:

at least one first speaker changeably installed in a predetermined position and outputting an audio signal;

a plurality of second speakers fixedly installed in positions different from the position of the first speaker and different from each other, and outputting audio signals; and

a plurality of audio signal detecting device provided in or near the install positions of the second speakers and detecting the audio signals output from the first speaker,

the method comprising:

a process of obtaining the audio signals detected by the audio signal detecting device, detecting that the install position of the first speaker has been changed on the basis of the obtained audio signals, and calculating the changed install position; and

a process of, on the basis of the changed install position of the first speaker and the install positions of the plurality of second speakers, changing allocation of output of the audio signals to the plurality of second speakers, and adjusting output of the audio signal from at least one of the first speaker whose install position has been changed and the plurality of second speakers so that a sound field according to the position relations among the install position of the first speaker before the change and the install positions of the plurality of second speakers when the position of the user is used as a reference is maintained.

Claim 7 (Canceled).

Claim 8 (Currently Amended): A computer-readable recording medium encoded with an ~~which the~~ an audio signal output adjusting process computer program ~~according to claim 7 is~~ computer-readably recorded which when executed by a computer performs a series of steps comprising:

on the basis of a changed install position of a first speaker and install positions of a plurality of second speakers, changing an allocation of output of audio signals to the plurality of second speakers, and

adjusting an output of an audio signal from at least one of the first speaker, whose install position has been changed, and the plurality of second speakers so that a sound field according to

the position relations among the install position of the first speaker before the change and the install positions of the plurality of second speakers when the position of the user is used as a reference is maintained.

Claim 9 (New): The audio output apparatus according to claim 1, wherein the audio signal output adjusting device changes the allocation of output of the audio signals to the plurality of second speakers without changing allocation of output of the audio signal to the first speaker.

Claim 10 (New): The audio output apparatus according to claim 1, wherein the first speaker is a center speaker in a 5.1 or 6.1 surround system, and the second speakers are the other speakers in the surround system.

Claim 11 (New): The audio signal output adjusting apparatus according to claim 5, wherein the audio signal output adjusting device changes the allocation of output of the audio signals to the plurality of second speakers without changing allocation of output of the audio signal to the first speaker.

Claim 12 (New): The audio signal output adjusting apparatus according to claim 5, wherein the first speaker is a center speaker in a 5.1 or 6.1 surround system, and the second speakers are the other speakers in the surround system.

Claim 13 (New): The audio signal output adjusting method performed by an audio output apparatus according to claim 6, wherein the audio signal output adjusting device changes the allocation of output of the audio signals to the plurality of second speakers without changing allocation of output of the audio signal to the first speaker.

Claim 14 (New): The audio signal output adjusting method performed by an audio output apparatus according to claim 6, wherein the first speaker is a center speaker in a 5.1 or 6.1 surround system, and the second speakers are the other speakers in the surround system.

Claim 15 (New): The computer-readable medium encoded with an audio signal output adjusting process computer program according to claim 8, wherein the allocation of output of the audio signals to the plurality of second speakers is changed without changing allocation of output of the audio signal to the first speaker.

Claim 16 (New): The computer-readable medium encoded with an audio signal output adjusting process computer program according to claim 8, wherein the first speaker is a center speaker in a 5.1 or 6.1 surround system, and the second speakers are the other speakers in the surround system.